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**POWER OF ATTORNEY
and
CORRESPONDENCE ADDRESS
INDICATION FORM**

Application Number	10/772,636
Filing Date	February 5, 2004
First Named Inventor	Louise M. Kelly (as amended)
Title	METHODS AND COMPOSITIONS FOR.....
Art Unit	1646
Examiner Name	Howard, Zachary C.
Attorney Docket Number	MPI03-015P1RNOMNIM

I hereby revoke all previous powers of attorney given in the above-identified application.

I hereby appoint:

☒ Practitioners associated with the Customer Number:

30405

OR

☐ Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please recognize or change the correspondence address for the above-identified application to:

☒ The address associated with the above-mentioned Customer Number:

OR

☐ The address associated with Customer Number:

30405

OR

☐ Firm or
Individual Name

Address

City

State

Zip

Country

Telephone

Email

I am the:

☐ Applicant/Inventor.☒ Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)**SIGNATURE of Applicant or Assignee of Record**

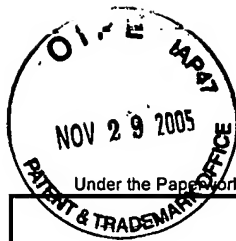
Signature	<i>Ian Robert Silverman</i>	Date	November 29, 2005
Name	Ian Robert Silverman	Telephone	617 551 8604
Title and Company	Associate General Counsel		

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

☒ *Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Millennium Pharmaceuticals, Inc.Application No./Patent No.: 10/772,636 Filed/Issue Date: February 5, 2004Entitled: METHODS AND COMPOSITIONS FOR TREATING HEMATOLOGICAL DISORDERS USING 9118, 990, 17662, 81982, 630, 21472, 17692, 19290, 21620, 21689, 28899, 53659, 64549, 9465, 23544, 7366, 27417, 57259, 21844.....Millennium Pharmaceuticals, Inc., a Delaware corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.
The extent (by percentage) of its ownership interest is _____ %

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 015960, Frame 0402, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
2. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
3. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☒ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Ian Robert Silverman
SignatureNovember 29, 2005

Date

Ian Robert Silverman617 551 8604

Printed or Typed Name

Telephone Number

Associate General Counsel

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

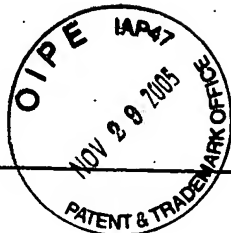
If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



COPY

AES

MP103-01SPIRNOHNM



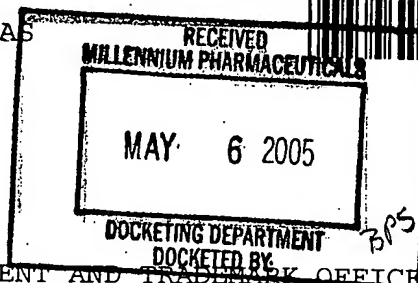
UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

APRIL 28, 2005

MILLENNIUM PHARMACEUTICALS, NC.
MARIO CLOUTIER
40 LANDSDOWNE STREET
CAMBRIDGE, MA 02139

PTAS



102879150A*

**UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT**

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT SERVICES DIVISION, P.O. BOX 1450, ALEXANDRIA, VA 22314.

RECORDATION DATE: 11/08/2004

REEL/FRAME: 015960/0402
NUMBER OF PAGES: 22

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

KELLY, LOUISE M.

DOC DATE: 09/23/2004

ASSIGNOR:

CARROLL, JOSEPH M.

DOC DATE: 10/05/2004

ASSIGNOR:

FARLOW, DEBORAH

DOC DATE: 09/27/2004

ASSIGNOR:

HEALY, AILEEN

DOC DATE: 09/28/2004

ASSIGNEE:

MILLENNIUM PHARMACEUTICALS, INC.
40 LANDSDOWNE STREET
CAMBRIDGE, MASSACHUSETTS 02139

015960/0402 PAGE 2

SERIAL NUMBER: 10772636

FILING DATE: 02/05/2004

PATENT NUMBER:

ISSUE DATE:

TITLE: METHODS AND COMPOSITIONS FOR TREATING HEMATOLOGICAL DISORDERS USING
9118, 990, 17662, 81982, 630, 21472, 17692, 19290, 21620, 21689,
28899, 53659, 64549, 9465, 23544, 7366, 27417, 57259, 21844, 943,
2061, 5891, 9137, 13908, 14310, 17600, 25584, 27824, 28469, 38947,
53003, 965, 56639, 9661, 16052, 1521, 6662, 13913, 12405 OR 5014

LENELL MACKALL, SUPERVISOR
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS



Joseph M. Carroll
113 Sciarappa St.,
Cambridge, MA 02141

Execution Date: October 5, 2004

Deborah Farlow,
245 Main Street, Apt. 18
Watertown, MA 02472

Execution Date: September 27, 2004

Aileen Healy
33 Coolidge Road.,
Medford, MA 02155

Execution Date: September 28, 2004



PATENT

For: U.S. and Foreign Rights
For: U.S. Application
By: Inventors

ASSIGNMENT OF INVENTION

WHEREAS,

ASSIGNORS:

Louise M. Kelly
1450 Beacon St., Apt. 703, Brookline, Massachusetts 02446
Nationality: Ireland

Joseph M. Carroll
113 Sciarappa St., Cambridge, Massachusetts 02141
Nationality: United States

Deborah Farlow
3411 Stearns Hill Road, Waltham, Massachusetts 02451
Nationality: United States

Aileen Healy
33 Coolidge Road, Medford, Massachusetts 02155
Nationality: United States

have co-invented a certain invention entitled:

**METHODS AND COMPOSITIONS FOR TREATING HEMATOLOGICAL DISORDERS
USING 9118, 990, 17662, 81982, 630, 21472, 17692, 19290, 21620, 21689, 28899, 53659, 64549, 9465,
23544, 7366, 27417, 57259, 21844, 943, 2061, 5891, 9137, 13908, 14310, 17600, 25584, 27824, 28469,
38947, 53003, 965, 56639, 9661, 16052, 1521, 6662, 13913, 12405 or 5014**

for which they have executed an application for a United States patent, which was filed on February 5, 2004, under U.S. Application No. 10/772,636; and

WHEREAS,

ASSIGNEE:

MILLENNIUM PHARMACEUTICALS, INC.

40 Landsdowne Street

Cambridge, MA 02139

State of Incorporation: Delaware

is desirous of acquiring ASSIGNORS' entire domestic and foreign right, title, and interest in and under the invention described in the patent application;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNORS hereby, without reservations, sell, assign and transfer to ASSIGNEE, its successors, assigns and legal representatives, our entire right, title and interest in and to the invention in the United States and in every foreign country, and our entire right, title, and interest in and to the patent application and such other applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, National phase applications, including petty patent applications and utility model applications) as may be filed on the invention in the United States or in any foreign country, and the patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon; said invention, applications, and patents to be held and enjoyed by ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said patents may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made.

ASSIGNORS hereby authorize the ASSIGNEE to insert in this assignment document the filing date and application number of the application if the date and number are unavailable at the time this document is executed.

ASSIGNORS hereby acknowledge that this assignment, being of our entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein. ASSIGNORS further acknowledge that this assignment carries with it the right in ASSIGNEE to claim under the Patent Cooperation Treaty, the International Convention and/or other international arrangement for any such application the date of the United States application (or any other application on the invention) to gain priority with respect to other applications.

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNORS further covenant that we will at any time upon request, without further or additional consideration, but at the expense of the ASSIGNEE, execute and deliver such additional assignments and other writings and do such additional acts as the ASSIGNEE may

deem necessary or desirable to perfect the ASSIGNEE's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the United States or of any and all foreign countries on the invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representative of all parties hereto.

AND, ASSIGNORS do hereby authorize and request the Commissioner of Patents of the United States to issues such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

Practitioner's Docket No. MPI03-015P1RNOMNIM

IN WITNESS WHEREOF, I have hereunto set hand and seal this 23 day of September, 2004.

Louise Kelly
Signature of Louise M. Kelly

Daniel Cardillo P.O. Box 128 17 Schofield Dr. Franklin, MA 02038-0128
Witness Address

ERIN NOLIN 33 Hall St #3 Jamaica Plain, MA 02150
Witness Address

IN WITNESS WHEREOF, I have hereunto set hand and seal this _____ day of _____, 2004.

Signature of Joseph M. Carroll

Witness Address

Witness Address

IN WITNESS WHEREOF, I have hereunto set hand and seal this _____ day of _____, 2004.

Signature of Deborah Farlow

Witness

Address

Witness

Address

IN WITNESS WHEREOF, I have hereunto set hand and seal this _____ day of _____, 2004.

Signature of Aileen Healy

Witness

Address

Witness

Address

PATENT

For: U.S. and Foreign Rights
For: U.S. Application
By: Inventors

ASSIGNMENT OF INVENTION

WHEREAS,

ASSIGNORS:

Louise M. Kelly
1450 Beacon St., Apt. 703, Brookline, Massachusetts 02446
Nationality: Ireland

Joseph M. Carroll
113 Sciarappa St., Cambridge, Massachusetts 02141
Nationality: United States

Deborah Farlow
3411 Stearns Hill Road, Waltham, Massachusetts 02451
Nationality: United States

Aileen Healy
33 Coolidge Road, Medford, Massachusetts 02155
Nationality: United States

have co-invented a certain invention entitled:

**METHODS AND COMPOSITIONS FOR TREATING HEMATOLOGICAL DISORDERS
USING 9118, 990, 17662, 81982, 630, 21472, 17692, 19290, 21620, 21689, 28899, 53659, 64549, 9465,
23544, 7366, 27417, 57259, 21844, 943, 2061, 5891, 9137, 13908, 14310, 17600, 25584, 27824, 28469,
38947, 53003, 965, 56639, 9661, 16052, 1521, 6662, 13913, 12405 or 5014**

for which they have executed an application for a United States patent, which was filed on February 5, 2004, under U.S. Application No. 10/772,636; and

WHEREAS,

ASSIGNEE:

MILLENNIUM PHARMACEUTICALS, INC.

40 Landsdowne Street

Cambridge, MA 02139

State of Incorporation: Delaware

is desirous of acquiring ASSIGNORS' entire domestic and foreign right, title, and interest in and under the invention described in the patent application;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNORS hereby, without reservations, sell, assign and transfer to ASSIGNEE, its successors, assigns and legal representatives, our entire right, title and interest in and to the invention in the United States and in every foreign country, and our entire right, title, and interest in and to the patent application and such other applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, National phase applications, including petty patent applications and utility model applications) as may be filed on the invention in the United States or in any foreign country, and the patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon; said invention, applications, and patents to be held and enjoyed by ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said patents may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made.

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deem necessary or desirable to perfect the ASSIGNEE's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the United States or of any and all foreign countries on the invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representative of all parties hereto.

AND, ASSIGNORS do hereby authorize and request the Commissioner of Patents of the United States to issues such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

Practitioner's Docket No. MPI03-015P1RNOMNIM

IN WITNESS WHEREOF, I have hereunto set hand and seal this _____ day of _____, 2004.

Signature of Louise M. Kelly

Witness

Address

Witness

Address

IN WITNESS WHEREOF, I have hereunto set hand and seal this 5th day of October, 2004.



Signature of Joseph M. Carroll


Witness

TODOR DIMITROV 207 RUSSETT RD BROOKLINE MA
Address


Witness

Sally L. McCracken 4 Arbor Way Framingham, MA
Address

Practitioner's Docket No. MPI03-015P1RNOMNIM

IN WITNESS WHEREOF, I have hereunto set hand and seal this _____ day of
_____, 2004.

Signature of Deborah Farlow

Witness

Address

Witness

Address

IN WITNESS WHEREOF, I have hereunto set hand and seal this _____ day of
_____, 2004.

Signature of Aileen Healy

Witness

Address

Witness

Address

PATENT

For: U.S. and Foreign Rights
For: U.S. Application
By: Inventors

ASSIGNMENT OF INVENTION

WHEREAS,

ASSIGNORS:

Louise M. Kelly
1450 Beacon St., Apt. 703, Brookline, Massachusetts 02446
Nationality: Ireland

Joseph M. Carroll
113 Sciarappa St., Cambridge, Massachusetts 02141
Nationality: United States

Deborah Farlow
3411 Stearns Hill Road, Waltham, Massachusetts 02451
Nationality: United States

Aileen Healy
33 Coolidge Road, Medford, Massachusetts 02155
Nationality: United States

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38947, 53003, 965, 56639, 9661, 16052, 1521, 6662, 13913, 12405 or 5014**

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40 Landsdowne Street

Cambridge, MA 02139

State of Incorporation: Delaware

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IN WITNESS WHEREOF, I have hereunto set hand and seal this _____ day of _____, 2004.

Signature of Louise M. Kelly

Witness

Address

Witness

Address

IN WITNESS WHEREOF, I have hereunto set hand and seal this _____ day of _____, 2004.

Signature of Joseph M. Carroll

Witness

Address

Witness

Address

IN WITNESS WHEREOF, I have hereunto set hand and seal this 27 day of September, 2004.

Deborah Farlow
Signature of Deborah Farlow

Orlando Altman
Witness Address

Joanne Sullivan
Witness Address

IN WITNESS WHEREOF, I have hereunto set hand and seal this _____ day of _____, 2004.

Signature of Aileen Healy

Witness Address

Witness Address

PATENT

For: U.S. and Foreign Rights
For: U.S. Application
By: Inventors

ASSIGNMENT OF INVENTION

WHEREAS,

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1450 Beacon St., Apt. 703, Brookline, Massachusetts 02446
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Nationality: United States

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ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNORS further covenant that we will at any time upon request, without further or additional consideration, but at the expense of the ASSIGNEE, execute and deliver such additional assignments and other writings and do such additional acts as the ASSIGNEE may

deem necessary or desirable to perfect the ASSIGNEE's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the United States or of any and all foreign countries on the invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representative of all parties hereto.

AND, ASSIGNORS do hereby authorize and request the Commissioner of Patents of the United States to issues such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN WITNESS WHEREOF, I have hereunto set hand and seal this _____ day of _____, 2004.

Signature of Louise M. Kelly

Witness

Address

Witness

Address

IN WITNESS WHEREOF, I have hereunto set hand and seal this _____ day of _____, 2004.

Signature of Joseph M. Carroll

Witness

Address

Witness

Address

IN WITNESS WHEREOF, I have hereunto set hand and seal this _____ day of _____, 2004.

Signature of Deborah Farlow

Witness

Address

Witness

Address

IN WITNESS WHEREOF, I have hereunto set hand and seal this 28th day of September, 2004.

Aileen Healy
Signature of Aileen Healy

Mr. Sherry
Witness

46 Huron Circle, Dorchester, MA 02124
Address

Paula Swulka
Witness

36 Harrison Ave, SAUGUS, MA 01906
Address